

# Converting Colors

YUV(85.6890, 46.0023, 85.3417)

Have a look what the booklet for  
YUV(85.6890, 46.0023, 85.3417)  
contains.

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# Color

**YUV(85.6890, 46.0023,  
85.3417)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B712B3
RGB	183, 18, 179
RGB Percent	72%, 7%, 70%
CMY	0.2824, 0.9294, 0.2980
CMYK	0.00, 0.90, 0.02, 0.28
HSL	301°, 82%, 39%
HSV	301°, 90%, 72%
XYZ	27.8814, 13.7546, 43.8332
YIQ	85.6890, 46.6590, 85.0510

# Conversions

## Conversions Part 2

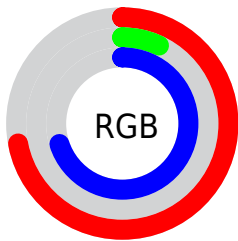
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 18, 179
Decimal	11997875
CIE Lab	43.88, 74.12, -44.44
CIE LCh	44, 86.423, 329.057
Yxy	13.7546, 0.3262, 0.1609
Android (android.graphics.Color)	4290187955 (0xFFB712B3)
YUV	85.6890, 46.0023, 85.3417
Hunter-Lab	37.0871, 69.2905, -44.1137

# Details

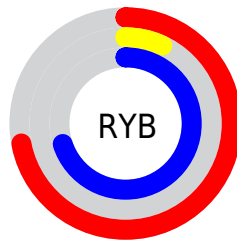
The YUV color **85.6890, 46.0023, 85.3417** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **115.3110, -46.0023, -85.3417**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.4510, 40.2037, 78.5345**, and **51.6250, 36.1739, 64.3499** is the 20% darker color. If you saturate the color by 10%, you get **75.1230, 51.2114, 94.6081**, and if you desaturate by 10%, it is **96.2550, 40.7933, 76.0754**.

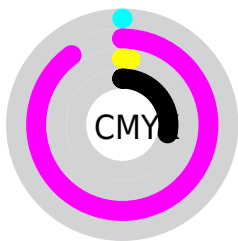
# Distribution



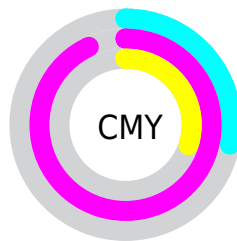
- Red (72%)
- Green (7%)
- Blue (70%)



- Red (72%)
- Yellow (7%)
- Blue (70%)



- Cyan (0%)
- Magenta (90%)
- Yellow (2%)
- Black (28%)




- Cyan (28%)
- Magenta (93%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 85.6890, 46.0023, 85.3417 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YUV color 85.6890, 46.0023, 85.3417 by changing the saturation by 10% instead.





 85.6890, 46.0023,  
85.3417


 85.6890, 46.0023,  
85.3417


255.0000, 0.0000,  
0.0000


 63.3740, 43.6926,  
79.4790


 153.4510, 40.2037,  
78.5345


 51.6250, 36.1739,  
64.3499


 176.9290, 38.4890,  
68.4683


 40.4030, 29.3813,  
49.6356


 193.9520, 30.0967,  
53.5391

 29.4800, 22.4414,  
35.5360

 210.9750, 21.7043,  
38.6099

 18.4860, 16.5224,  
20.6218

 227.9980, 13.3120,  
23.6808

 3.3060, 12.6671,  
-2.8994

 245.6080, 4.6303,

 0.0000, 0.0000,

8.2368

0.0000

■ 85.6890, 46.0023,  
85.3417

■ 85.6890, 46.0023,  
85.3417

■ 75.1230, 51.2114,  
94.6081

■ 96.2550, 40.7933,  
76.0754

■ 107.5220, 35.7317,  
66.1942

■ 118.0880, 30.5226,  
56.9278

■ 128.7680, 25.7504,  
47.5615

■ 139.9210, 20.2519,  
37.7803

■ 150.6010, 15.4797,  
28.4139

■ 161.1670, 10.2707,  
19.1475

■ 171.8470, 5.4984,  
9.7812

■ 183.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.1700, 65.9782, -22.0741



85.6890, 46.0023, 85.3417



78.2060, 15.1814, 124.3533

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6890, 46.0023, 85.3417



97.8580, -48.2440, 27.3115



97.0920, 36.9296, -85.1497

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.6890, 46.0023, 85.3417



115.3110, -46.0023, -85.3417

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.1830, 5.3328, -77.3365



85.6890, 46.0023, 85.3417



85.9990, -42.3975, -28.0631

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6890, 46.0023, 85.3417



93.1600, -45.9279, 77.9127



75.9170, -31.5111, -66.5792



101.1280, 62.5479, -88.6893



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6890, 46.0023, 85.3417



73.2610, -5.0587, 129.5671



75.9170, -31.5111, -66.5792



94.4700, 26.8833, -82.8502

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85.6890, 46.0023, 85.3417



199.3180, 18.0842, 33.0471



37.7070, 71.6294, -14.6520



96.9930, 10.8495, 20.1771



247.0000, 0.0000, 0.0000



120.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6890, 46.0023, 85.3417



97.1970, 65.9649, 122.6072



76.4550, 10.6217, 93.4400



86.7170, 2.6045, 4.6332



63.9720, 43.3978, 80.7086



11.4500, 7.6662, 14.5144



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



85.6890, 46.0023, 85.3417



97.1970, 65.9649, 122.6072



124.5450, -10.6217, -93.4400



86.7170, 2.6045, 4.6332



63.9720, 43.3978, 80.7086



11.4500, 7.6662, 14.5144



# Previews

## White Background



This preview shows how the YUV color 85.6890, 46.0023, 85.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

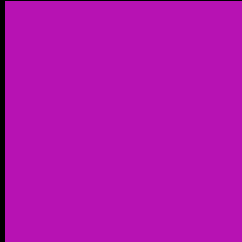
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 85.6890, 46.0023, 85.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

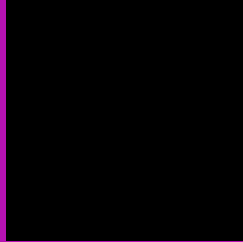
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 85.6890, 46.0023, 85.3417

## Background



This preview shows how black text looks on a background with the YUV color 85.6890, 46.0023, 85.3417.



This preview shows how white text looks on a background with the YUV color 85.6890, 46.0023,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.6890, 46.0023, 85.3417

### Protanopia

83.7970, 64.6831, -73.4900

### Deuteranopia

101.1190, 32.9723, -29.0454



## Tritanopia

102.3560, -12.9935, 61.0778

# Trichromacy



## Original Color

85.6890, 46.0023, 85.3417



## Protanomaly

84.7380, 57.8102, -15.5562



## Deuteranomaly

95.3490, 37.7889, 12.8489



## Tritanomaly

96.0300, 8.3662, 70.1337

# Monochromacy



## Original Color

85.6890, 46.0023, 85.3417



## Achromatopsia

86.0000, 0.0000, 0.0000



## Achromatomaly

85.6660, 16.9267, 30.9879

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.6890, 46.0023, 85.3417 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(183, 18, 179)` looks like.

```
.text, #text, p{  
    color:rgb(183, 18, 179)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(183, 18, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 18, 179) }
```

## Border

The CSS property to change the border of an element to YUV 85.6890, 46.0023, 85.3417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 18, 179) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(183, 18, 179) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(183, 18, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 18, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 18, 179);  
box-shadow:4px 4px 4px 4px rgb(183, 18,  
179) }
```

# Background

The CSS property to change the background color of an element to YUV 85.6890, 46.0023, 85.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 18, 179) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(183, 18,  
179) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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